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DIVISION OF FISHERIES

1978 INVENTORY OF ILLINOIS
SURFACE WATER RESOURCES

Richard A. Rogers
Staff Resource Analyst
September 1979

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TABLE OF CONTENTS

	<u>Page Number</u>
Introduction	1
Classification of Surface Waters	1
Statewide Summary of Illinois Surface Water Resources (1978) - Table 1	3
Regional and County Summary of Surface Water by Water Type	4
Map of State Planning Regions - Figure 1	5
Region Summary - Table 2	6
Region 1A County Summary - Table 2a	7
Region 1B County Summary - Table 2b	8
Region 2 County Summary - Table 2c	9
Region 3A County Summary - Table 2d	10
Region 3B County Summary - Table 2e	11
Region 4 County Summary - Table 2f	12
Region 5 County Summary - Table 2g	13
Regional and County Summary of Impoundments by Owner- ship Classification	14
Region Summary - Table 3	15
Region 1A County Summary - Table 3a	16
Region 1B County Summary - Table 3b	17
Region 2 County Summary - Table 3c	18
Region 3A County Summary - Table 3d	19
Region 3B County Summary - Table 3e	20
Region 4 County Summary - Table 3f	21
Region 5 County Summary - Table 3g	22
Regional Summary of Streams by Width Categories	23
Region Summary - Table 4	24
Alphabetical Listing by County of Surface Waters, by Water Types	25
County Listing - Table 5	26

TABLE OF CONTENTS

Page

1	Introduction
2	Classification of Surface Waters
3	Statewide Summary of Illinois Surface Water Resources (1908) - Table 1
4	Regional and County Summary of Surface Water by Water Type
5	Map of State Planning Regions - Figure 1
6	Region Summary - Table 2
7	Region 1A County Summary - Table 2a
8	Region 1B County Summary - Table 2b
9	Region 2 County Summary - Table 2c
10	Region 3A County Summary - Table 2d
11	Region 3B County Summary - Table 2e
12	Region 4 County Summary - Table 2f
13	Region 5 County Summary - Table 2g
14	Regional and County Summary of Impoundments by Owner - Table 3
15	Region Summary - Table 3a
16	Region 1A County Summary - Table 3a
17	Region 1B County Summary - Table 3b
18	Region 2 County Summary - Table 3c
19	Region 3A County Summary - Table 3d
20	Region 3B County Summary - Table 3e
21	Region 4 County Summary - Table 3f
22	Region 5 County Summary - Table 3g
23	Regional Summary of Streams by Width Categories - Table 4
24	Region Summary - Table 4a
25	Alphabetical Listing by County of Surface Waters by Water Type - Table 5

1978 INVENTORY OF ILLINOIS SURFACE WATER RESOURCES

Introduction

The first Illinois surface water inventory was published by the Division of Fisheries in February 1964 as Special Fisheries Report Number 1. District biologists collected the data for this first inventory from aerial photographs on file in each county Agricultural Stabilization and Conservation Service office, from interviews with county Soil Conservation Service personnel and from data in their own district files.

The 1972 Illinois Surface Water Inventory, published in August 1973 as Special Fisheries Report Number 40, was an update of the 1964 survey.

This 1978 Inventory of Illinois Surface Water Resources is a supplement to these earlier surveys and serves to update the surface water inventory to include all waters in the state as of December 31, 1978. The basis for this update is the "new impoundment construction data" collected for each county by the district biologists and published annually. At the end of each year, the biologists contact each county Soil Conservation Service office, as well as other agencies, and compile a list of all new impoundments built during the past year for each county. The data collected includes the size of the new impoundment in acres and the ownership classification.

Classification of Surface Waters

Lake Michigan:

Only about 7% of Lake Michigan is within the State of Illinois' jurisdiction and only that portion which is in Illinois is included in this inventory.

Reservoirs:

This classification includes only the three Corps of Engineers reservoirs (Carlyle, Rend, and Shelbyville).

Impoundments:

This classification includes all standing bodies of water (lakes and ponds) constructed by artificial means or formed by nature, except Lake Michigan and the three Corps reservoirs. Impoundments are further classified as to ownership as follows:

1. State: This classification includes all impoundments owned or leased by the Illinois Department of Conservation.

Introduction

The first Illinois surface water inventory was published by the Division of Fisheries in February 1966 as Special Fisheries Report Number 1. District biologists collected the data for this first inventory from aerial photographs on file in each county. Agricultural, industrial, and construction service offices, from interviews with county soil conservation service personnel and from data in their own district files.

The 1973 Illinois Surface Water Inventory, published in August 1973 as Special Fisheries Report Number 40, was an update of the 1966 survey.

This 1978 Inventory of Illinois Surface Water Resources is a supplementary to these earlier surveys and serves to update the surface water inventory to include all waters in the State as of December 31, 1978. The basis for this update is the "new" boundary line construction data collected for each county by the district biologists and published annually. At the end of each year, the biologists contact each county Soil Conservation Service office as well as other agencies, and compile a list of all new impoundments built during the year. The data collected from these sources and the

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Classification of Surface Waters

Lake Michigan

Only about 7% of Lake Michigan is within the State of Illinois. Jurisdiction and only that portion which is in Illinois is included in this inventory.

Reservoirs

This classification includes only the three Corps of Engineers reservoirs (Cattaraugus, Mendota, and Saukville).

Impoundments

This classification includes all standing bodies of water (lakes and ponds) constructed by artificial means or formed by dams, except Lake Michigan and the three Corps reservoirs. Impoundments are further classified as to ownership as follows:

1. State: This classification includes all impoundments owned or leased by the Illinois Department of Conservation.

2. Public: This classification includes all impoundments owned or leased by a government agency, other than the Illinois Department of Conservation, that have public access.
3. Organization: This classification includes all impoundments owned or leased by any organization of six or more members. Included are sportsmen clubs, scouts, church, civic, fraternal, associations, homeowner groups, country clubs, industrial, institutions, etc.
4. Commercial: This classification includes all impoundments privately owned or leased for which a fee is charged for fishing. These areas are licensed by the Illinois Department of Conservation.
5. Private: This classification includes all impoundments privately owned or leased which are not organizations or commercial areas.

Streams:

This classification includes all flowing waters such as canals, creeks and rivers, regardless of ownership or leasing. Streams are further classified into four width categories as measured by their average width in a county. Intermittent streams are not included in the inventory.

2. Public: This classification includes all lands owned or leased by a government agency, other than the Illinois Department of Conservation, that have public access.

3. Organizations: This classification includes all lands owned or leased by any organization of six or more members. Included are sportsmen clubs, schools, youth, civic, fraternal, associations, business groups, country clubs, industrial, institutions, etc.

4. Commercial: This classification includes all lands owned or leased for which a fee is charged for fishing. These areas are licensed by the Illinois Department of Conservation.

5. Private: This classification includes all lands owned or leased which are not organized or commercial areas.

Excluded

This classification includes all flowing waters such as canals, creeks and rivers, regardless of ownership or leasing. Streams are further classified into four width categories as measured by their average width in a county. Interim stream widths are not included in the inventory.

Table 1. ILLINOIS SURFACE WATER RESOURCES (1978)*

STATEWIDE SUMMARY				
Water Resource Type	Classification	Number	Acres	Total Acres
Lake Michigan (Ill. portion only)		1	976,640.00	976,640.00
Reservoirs		3	54,580.00	54,580.00
Impoundments:				
	State	211	29,876.15	
	Public	631	76,570.85	
	Organization	1,974	24,808.70	
	Commercial	505	3,037.70	
	Private	79,599	107,887.80	
	Total	82,920	242,181.20	242,181.20
<u>Miles</u>				
Streams:				
	0- 20 ft. wide	4,915.4	7,159.00	
	21-100 ft. wide	5,916.5	29,884.00	
	101-300 ft. wide	992.4	17,753.00	
	301 plus ft. wide	1,379.7	201,778.00	
	Total	13,204.0	256,574.00	256,574.00
GRAND TOTAL SURFACE WATER ACREAGE			-----	1,529,975.20
				=====

*As of December 31, 1978.

REGIONAL AND COUNTY SUMMARY
OF SURFACE WATERS
BY WATER TYPES

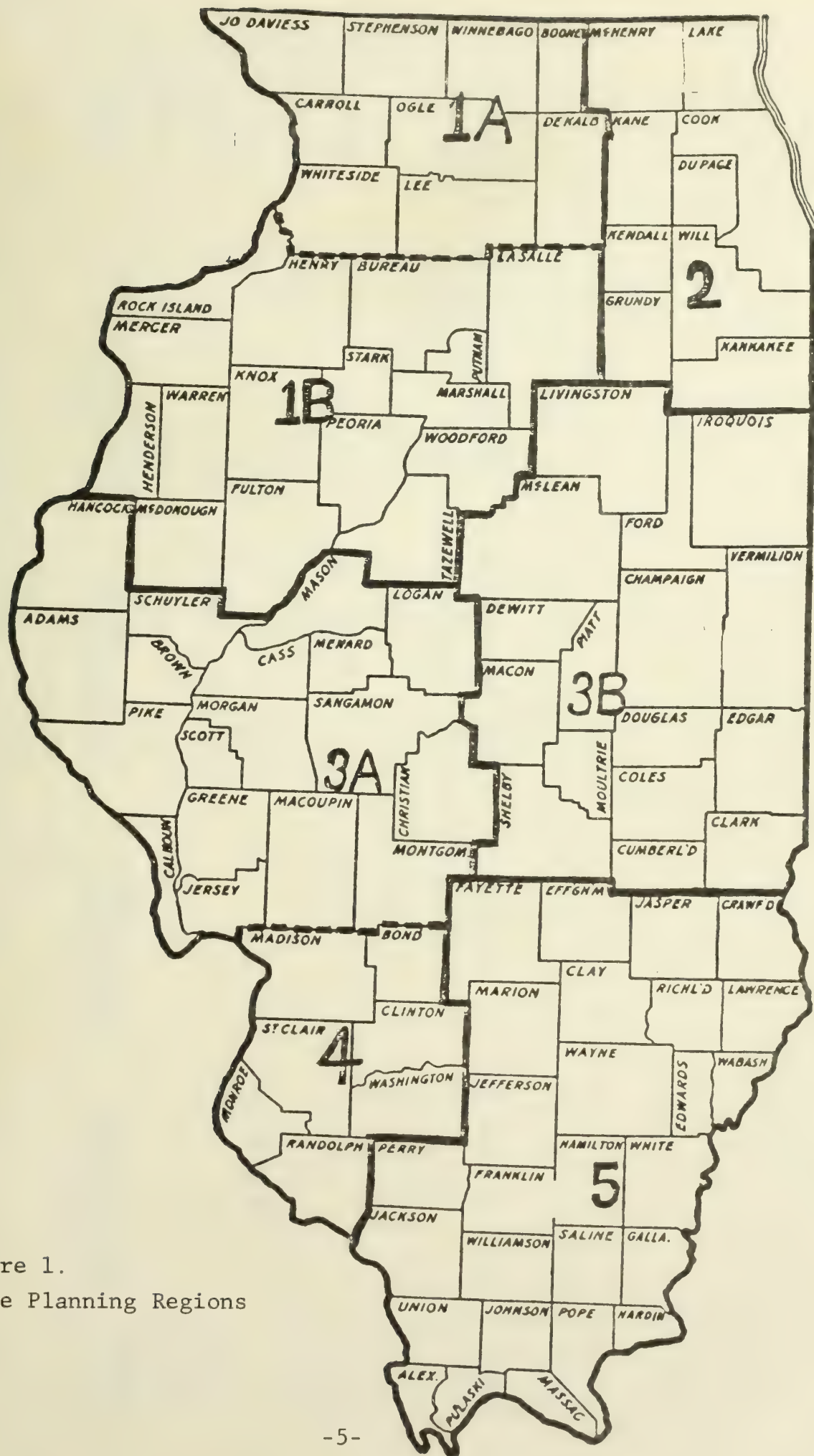


Figure 1.
State Planning Regions



Table 2. Number (or Miles) and Acres of Surface Waters by Water Type (1978)

REGION SUMMARY

Region	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
1A					1,629	10,674.55	1,835.7	38,772.00	49,446.55
1B					9,792	46,183.99	2,639.9	69,454.00	115,637.99
2	1	976,640.0			5,581	35,736.75	1,635.4	18,835.00	1,031,211.75
3A					18,008	57,685.15	2,427.2	73,385.00	131,070.15
3B			1	11,100.00	5,430	18,375.34	1,676.1	6,978.00	36,453.34
4			1	19,780.00	10,246	19,438.65	812.0	20,137.00	59,355.65
5			1	23,700.00	32,234	54,086.77	2,177.7	29,013.00	106,799.77
Total	1	976,640.0	3	54,580.00	82,920	242,181.20	13,204.0 Miles	256,574.00	1,529,975.20

Table 2a. Number (or Miles) and Acres of Surface Water by Water Type (1978)

REGION 1A - COUNTY SUMMARY									
REGION 1A (9 Counties)									
County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Boone			117	542.50			134.7	349.00	891.50
Carroll			143	4,923.50			175.3	9,521.00	14,444.50
DeKalb			176	605.70			249.8	617.00	1,222.70
JoDaviess			155	1,458.40			190.8	9,892.00	11,350.40
Lee			395	744.90			190.0	2,781.00	3,525.90
Ogle			149	267.45			200.5	3,072.00	3,339.45
Stephenson			135	266.30			152.1	839.00	1,105.30
Whiteside			150	804.60			321.2	8,610.00	9,414.60
Winnebago			209	1,061.20			221.3	3,091.00	4,152.20
Total	--	--	1,629	10,674.55	--	--	1,835.7	38,772.00	49,446.55

Table 1. Number (or Miles) and Acres of Surface Waters by Water Type (1978)

REGION 1B - COUNTY SUMMARY

REGION 1B (16 Counties)							
County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	
Bureau			248	2,163.90	280.2	1,464.00	3,627.90
Fulton			2,671	11,938.10	310.2	3,122.00	15,060.10
Henderson			290	1,015.25	131.0	12,110.00	13,125.25
Henry			412	882.90	196.6	1,964.00	2,846.90
Knox			1,570	2,325.20	176.3	577.00	2,902.20
LaSalle			636	3,442.95	223.0	5,843.00	9,285.95
Marshall			141	6,098.40	90.0	2,706.00	8,804.40
McDonough			611	747.00	121.0	270.00	1,017.00
Mercer			563	1,459.90	167.5	6,910.00	8,369.90
Peoria			964	1,531.59	158.7	496.00	2,027.59
Putnam			109	7,248.20	20.4	914.00	8,162.20
Rock Island			312	773.40	237.9	15,912.00	16,685.40
Stark			92	187.40	103.4	287.00	474.40
Tazewell			459	4,179.20	186.0	3,340.00	7,519.20
Warren			309	696.90	137.6	574.00	1,270.90
Woodford			405	1,493.70	100.1	12,965.00	14,458.70
Total	--	--	9,792	46,183.99	2,639.9	69,454.00	115,637.99

Table 2c. Number (or Miles) and Acres of Surface Waters by Water Type (1978)

REGION 2 - COUNTY SUMMARY

REGION 2 (9 Counties)									
County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Cook	--	429,722.00			1,276	7,775.25	409.4	3,708.00	441,205.25
DuPage					578	1,224.20	111.1	574.00	1,798.20
Grundy					242	3,417.05	158.9	2,931.00	6,348.05
Kane					480	804.20	194.9	1,534.00	2,338.20
Kankakee					142	523.70	89.7	1,877.00	2,400.70
Kendall					168	252.75	81.1	1,189.00	1,441.75
Lake	1	546,918.00			894	13,676.70	221.5	1,025.00	561,619.70
McHenry					786	4,073.10	157.9	1,183.00	5,256.10
Will					1,015	3,989.80	210.9	4,814.00	8,803.80
Total	1	976,640.00	--	--	5,581	35,736.75	1,635.4	18,835.00	1,031,211.75

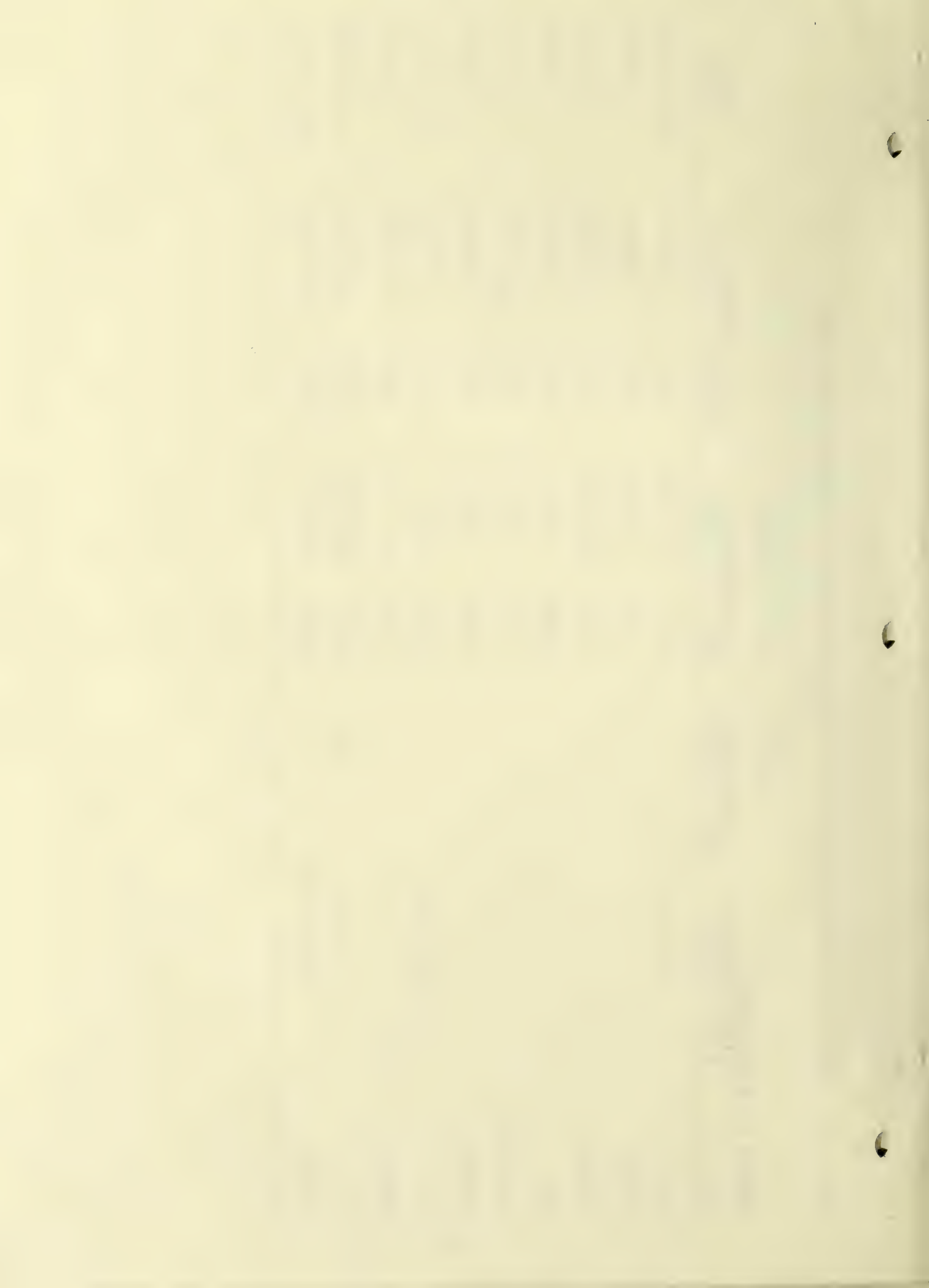
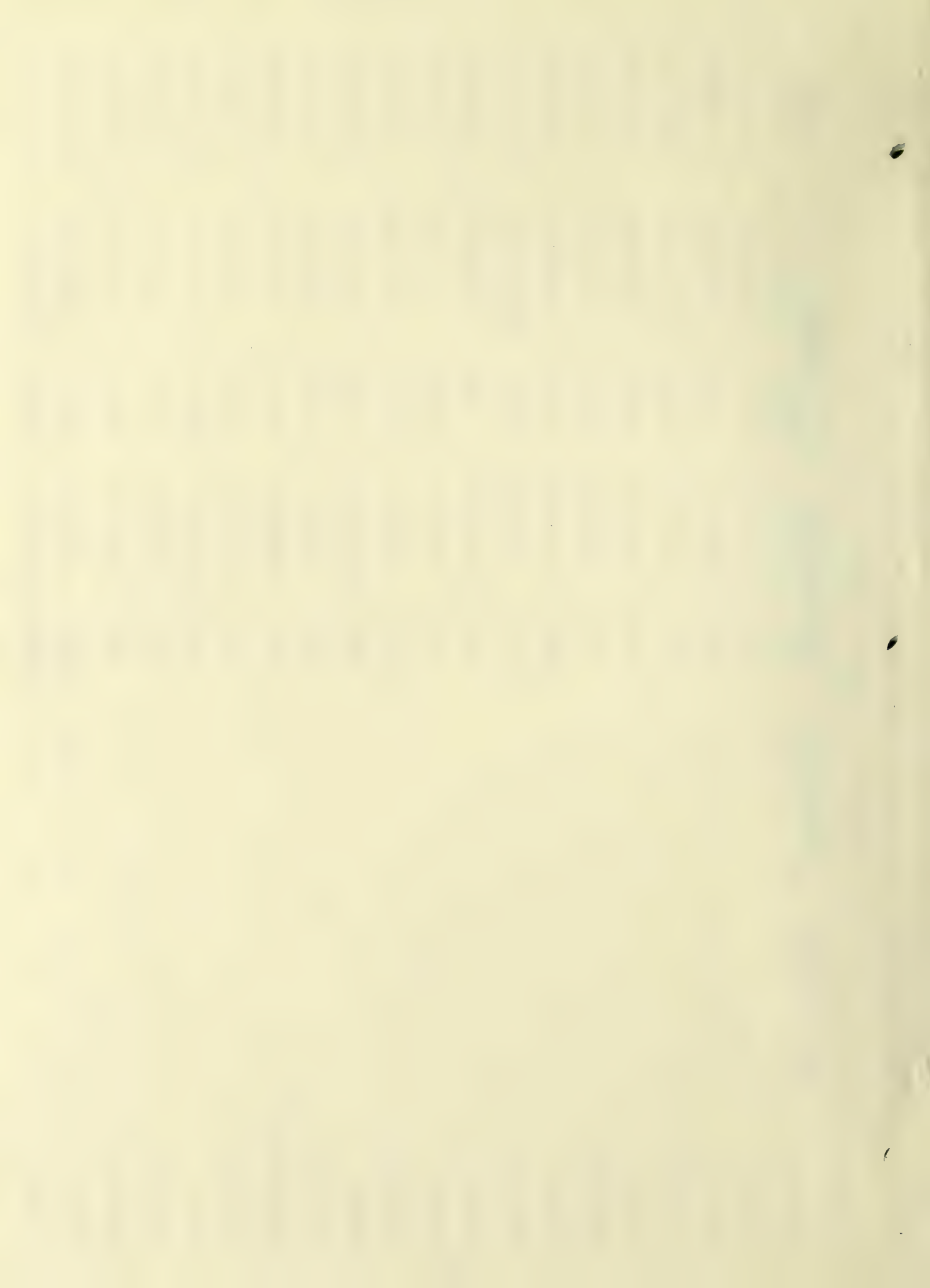


Table 1. Number (or Miles) and Acres of Surface Waters by Water Type (1978)

REGION 3A - COUNTY SUMMARY

REGION 3A (18 Counties)

County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Adams			2,515	2,635.65			207.2	8,748.00	11,383.65
Brown			1,013	1,005.90			86.7	328.00	1,333.90
Calhoun			527	4,194.07			105.8	18,623.00	22,817.07
Cass			496	4,509.50			104.0	2,743.00	7,252.50
Christian			365	4,440.90			118.1	474.00	4,914.90
Greene			1,261	1,134.25			119.6	4,469.00	5,603.25
Hancock			1,174	737.55			211.6	13,443.00	14,180.55
Jersey			986	2,147.40			91.8	6,518.00	8,665.40
Logan			170	374.70			140.5	605.00	979.70
Macoupin			2,662	4,158.99			139.7	320.00	4,478.99
Mason			298	14,219.90			73.0	1,757.00	15,976.90
Menard			301	448.40			89.3	785.00	1,233.40
Montgomery			1,093	4,808.40			119.8	420.00	5,228.40
Morgan			860	2,789.27			106.6	937.00	3,726.27
Pike			1,953	2,655.42			245.9	9,457.00	12,112.42
Sangamon			943	5,421.80			247.5	1,156.00	6,577.80
Schuyler			965	1,425.75			106.6	401.00	1,826.75
Scott			426	577.30			113.5	2,201.00	2,778.30
Total	--	--	18,008	57,685.15	--	--	2,427.2	73,385.00	131,070.15



Number (or Miles) and Acres of Surface Waters by Water Type (1978)

REGION 3B - COUNTY SUMMARY

GION 3B (16 Counties)

TCounty	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Champaign			122	383.00			120.8	374.00	757.00
Clark			1,134	914.90			89.0	651.00	1,565.90
Coles			260	885.70			106.7	492.00	1,377.70
Cumberland			780	678.70			110.3	268.00	946.70
DeWitt			214	5,213.50			86.0	215.00	5,428.50
Douglas			134	243.80			87.4	304.00	547.80
Edgar			238	458.00			98.4	161.00	619.00
Ford			87	178.60			40.5	106.00	284.60
Iroquois			140	541.00			148.5	923.00	1,464.00
Livingston			361	451.00			119.4	936.00	1,387.00
Macon			172	3,345.80			95.5	326.00	3,671.80
McLean			563	2,101.60			177.6	552.00	2,653.60
Moultrie			230	233.10			27.3	75.00	5,858.10
Piatt			78	170.80			73.4	274.00	444.80
Shelby	1	5,550.00	666	878.94			131.1	318.00	6,746.94
Vermilion			251	1,696.90			164.2	1,003.00	2,699.90
Total	--	--	1	11,100.00	5,430	18,375.34	1,676.1	6,978.00	36,453.34

Table 2f. Number (or Miles) and Acres of Surface Waters by Water Type (1978)

REGION 4 - COUNTY SUMMARY

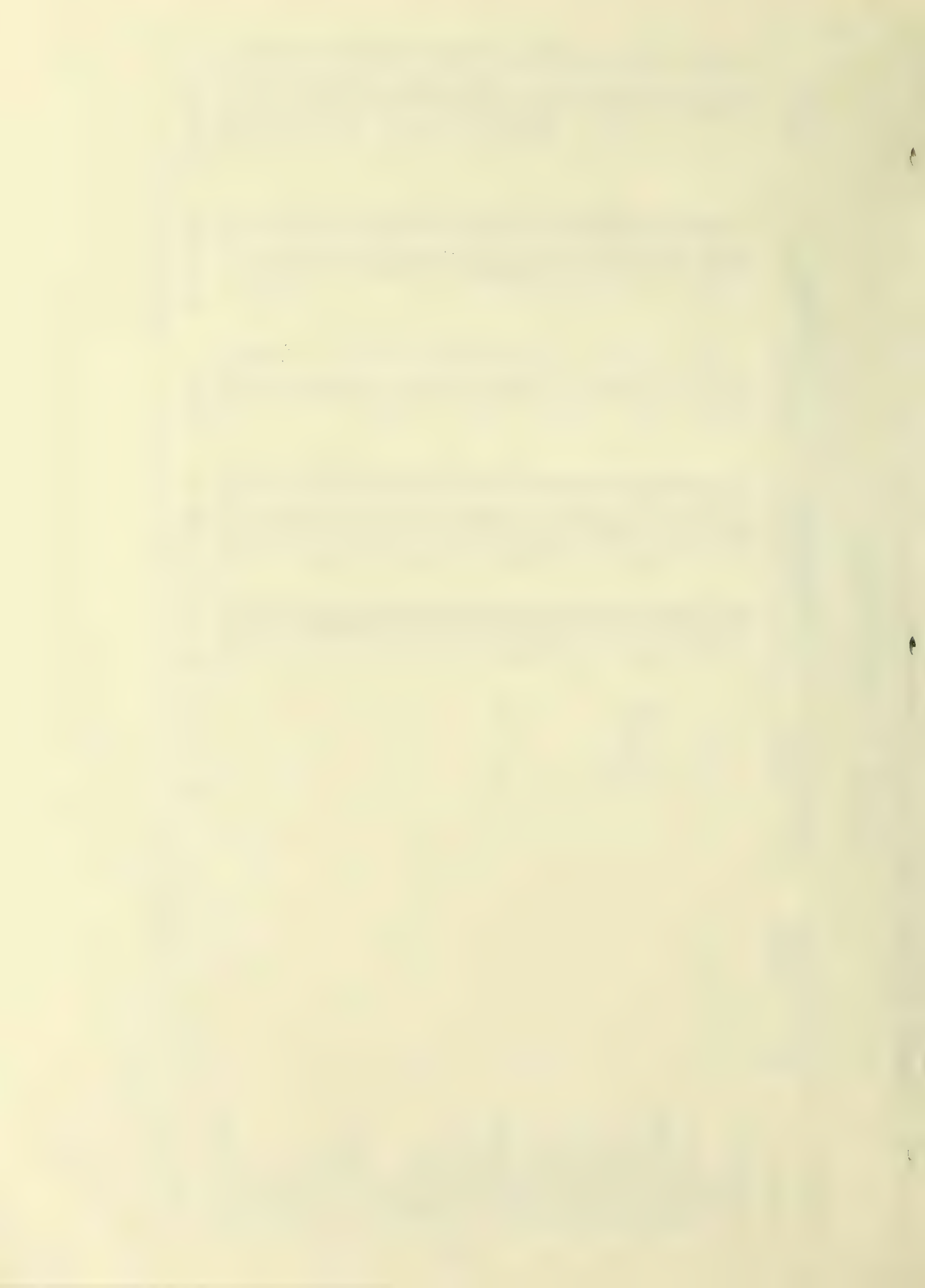
REGION 4 (7 Counties)									
County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Bond	-		-	850.00	1,282	2,025.20	58.1	247.00	3,122.20
Clinton	1		1	18,930.00	936	789.20	141.4	744.00	20,463.20
Madison					2,156	6,420.85	166.9	5,145.00	11,565.85
Monroe					1,572	1,898.10	103.6	5,159.00	7,057.10
Randolph					1,283	2,805.30	141.8	6,044.00	8,849.30
St. Clair					1,549	3,825.71	123.6	2,277.00	6,102.71
Washington					1,468	1,674.29	76.6	521.00	2,195.29
Total	--	--	1	19,780.00	10,246	19,438.65	812.0	20,137.00	59,355.65

Table 2g. Number (or Miles) and Acres of Surface Waters by Water Type (1978)

REGION 5 - COUNTY SUMMARY

REGION 5 (27 Counties)

County	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Alexander			353	2,283.25			127.7	7,599.00	9,882.25
Clay			1,076	789.00			143.7	430.00	1,219.00
Crawford			1,241	925.90			115.5	1,089.00	2,014.90
Edwards			748	443.55			13.8	111.00	554.55
Effingham			994	1,249.70			100.3	180.00	1,429.70
Fayette		4,800.00	1,237	1,764.05			113.2	722.00	7,286.05
Franklin	1	8,878.00	1,648	2,225.10			58.0	252.00	11,355.10
Gallatin			428	627.70			60.5	1,273.00	1,900.70
Hamilton			1,525	825.80			67.5	181.00	1,006.80
Hardin			476	407.50			23.1	102.00	509.50
Jackson			1,457	4,941.30			132.6	4,127.00	9,068.30
Jasper			1,223	2,575.50			103.4	727.00	3,302.50
Jefferson	-	10,022.00	2,262	1,452.70			62.0	147.00	11,621.70
Johnson			1,704	2,898.90			104.5	216.00	3,114.90
Lawrence			742	682.80			94.3	1,494.00	2,176.80
Marion			1,686	3,009.00			64.3	125.00	3,134.00
Massac			883	1,243.30			20.0	86.00	1,329.30
Perry			1,437	2,122.60			80.1	205.00	2,327.60
Pope			984	833.07			78.3	196.00	1,029.07
Pulaski			769	585.60			25.4	107.00	692.60
Richland			891	1,882.70			42.6	144.00	2,026.70
Saline			1,204	2,330.40			83.5	252.00	2,582.40
Union			1,906	2,967.20			65.3	3,014.00	5,981.20
Wabash			491	337.75			76.3	2,259.00	2,596.75
Wayne			2,043	1,395.10			112.0	422.00	1,817.10
White			894	950.30			133.8	3,274.00	4,224.30
Williamson			1,932	12,337.00			76.0	279.00	12,616.00
Total	--	--	1	23,700.00	32,234	54,086.77	2,177.7	29,013.00	106,799.77



REGIONAL AND COUNTY SUMMARY
OF IMPOUNDMENTS
BY OWNERSHIP CLASSIFICATION

TABLE 3. Number and Acres of Impoundments by Ownership Classification (1978).

REGION SUMMARY

Region	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
1A	11	615.70	26	4,896.80	56	2,292.20	21	217.60	1,515	2,652.25	1,629	10,674.55
1B	23	9,160.00	43	9,181.90	401	4,083.10	64	645.70	9,261	23,113.29	9,792	46,183.99
2	49	730.00	254	11,543.05	918	11,567.90	91	376.30	4,269	11,519.50	5,581	35,736.75
3A	25	4,535.90	98	23,114.40	133	2,220.20	96	591.20	17,656	27,223.45	18,008	57,685.15
3B	42	5,596.00	79	6,417.60	175	1,246.50	37	170.50	5,097	4,944.74	5,430	18,375.34
4	7	2,721.30	30	1,655.90	171	1,525.10	122	707.40	9,916	12,828.95	10,246	19,438.65
5	54	6,517.25	101	19,761.20	120	1,873.70	74	329.00	31,885	25,605.62	32,234	54,086.77
Total	211	29,876.15	631	76,570.85	1,974	24,808.70	505	3,037.70	79,599	107,887.80	82,920	242,181.20

TABLE 3a. Number and Acres of Impoundments by Ownership Classification (1978).

REGION 1A - COUNTY SUMMARY

REGION 1A (9 Counties)

County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Boone			2	2.40	6	425.60	1	1.00	108	113.50	117	542.50
Carroll	1	1.00	3	3,950.00	1	600.00	1	8.60	137	363.90	143	4,923.50
DeKalb	1	320.00	1	3.80	8	28.00	5	38.70	161	215.20	176	605.70
JoDaviess			4	503.00	3	621.00			148	334.40	155	1,458.40
Lee					4	86.00	6	57.40	385	601.50	395	744.90
Ogle					6	72.00	2	24.00	141	171.45	149	267.45
Stephenson	1	43.40	2	4.00	2	10.00			130	208.90	135	266.30
Whiteside	5	87.60	4	367.50	4	41.50	2	15.50	135	292.50	150	804.60
Winnebago	3	163.70	10	66.10	22	408.10	4	72.40	170	350.90	209	1,061.20
Total	11	615.70	26	4,896.80	56	2,292.20	21	217.60	1,515	2,652.25	1,629	10,674.55

TABLE 1. Number and Acres of Impoundments by Ownership Classification (1978).

REGION 1B - COUNTY SUMMARY

REGION 1B (16 Counties)

County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Bureau	3	534.00	1	724.50	16	223.20			228	682.20	248	2,163.90
Fulton	2	2,746.80	6	293.00	131	771.60	18	523.10	2,514	7,603.60	2,671	11,938.10
Henderson	1	27.00	2	144.70	1	375.00			286	468.55	290	1,015.25
Henry	7	67.10	2	6.50	45	212.70			358	596.60	412	882.90
Knox			1	132.50	114	577.00	1	19.50	1,454	1,596.20	1,570	2,325.20
LaSalle			1	18.20	13	397.20	4	11.00	618	3,016.55	636	3,442.95
Marshall	2	3,857.00			5	254.50			134	1,986.90	141	6,098.40
McDonough	1	95.10	4	285.90	3	7.30	3	5.00	600	353.70	611	747.00
Mercer			3	627.00	3	190.00	4	38.00	553	604.90	563	1,459.90
Peoria			5	35.10	25	154.60	6	7.70	928	1,334.19	964	1,531.59
Putnam			5	6,669.00	4	130.50	4	0.80	96	447.90	109	7,248.20
Rock Island			5	171.40	1	55.00	8	12.40	298	534.60	312	773.40
Stark					1	25.00			91	162.40	92	187.40
Tazewell	7	1,833.00	6	30.50	30	352.20	7	15.40	409	1,948.10	459	4,179.20
Warren			1	13.60	3	322.90			305	360.40	309	696.90
Woodford			1	30.00	6	34.40	9	12.80	389	1,416.50	405	1,493.70
Total	23	9,160.00	43	9,181.90	401	4,083.10	64	645.70	9,261	23,113.29	9,792	46,183.99

TABLE 3c. Number and Acres of Impoundments by Ownership Classification (1978).

REGION 2 - COUNTY SUMMARY

REGION 2 (9 Counties)

County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Cook	4	434.20	126	4,605.45	292	1,258.60	11	36.50	843	1,440.50	1,276	7,775.25
DuPage			61	329.00	155	493.50	9	13.10	353	388.60	578	1,224.20
Grundy	11	19.50			89	850.10	2	60.00	140	2,487.45	242	3,417.05
Kane			7	67.60	63	281.40	44	36.20	366	419.00	480	804.20
Kankakee			2	9.50	11	138.60	5	27.50	124	348.10	142	523.70
Kendall	9	25.80	2	3.90	12	48.80			145	174.25	168	252.75
Lake	15	84.70	48	6,201.80	124	5,026.20	4	28.60	703	2,335.40	894	13,676.70
McHenry	8	75.50	5	323.40	38	2,662.70	10	22.60	725	988.90	786	4,073.10
Will	2	90.30	3	2.40	134	808.00	6	151.80	870	2,937.30	1,015	3,989.80
Total	49	730.00	254	11,543.05	918	11,567.90	91	376.30	4,269	11,519.50	5,581	35,736.75

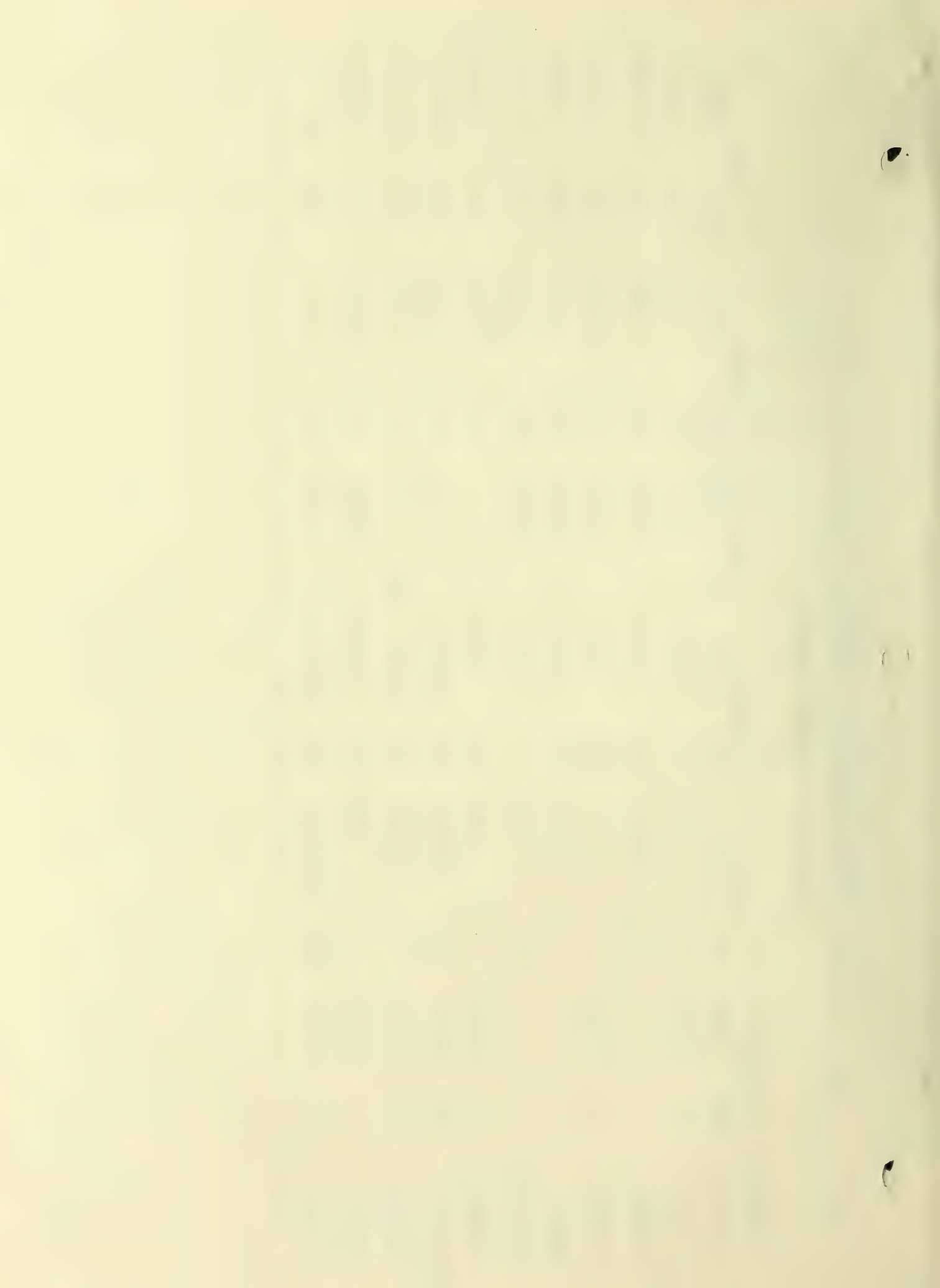


Table 3d. Number and Acres of Impoundments by Ownership Classification (1978)

REGION 3A - COUNTY SUMMARY

REGION 3A (18 Counties)

County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Adams	1	58.00	7	30.60	8	92.00	5	98.50	2,494	2,356.55	2,515	2,635.65
Brown			1	26.10			3	4.50	1,009	975.30	1,013	1,005.90
Calhoun			10	2,943.10	18	638.40			499	612.57	527	4,194.07
Cass	-	600.00	2	627.00	11	32.00	2	4.00	481	3,246.50	496	4,509.50
Christian	3	2,551.10	10	1,402.10	4	69.70	7	73.40	341	344.60	365	4,440.90
Greene			5	103.70	8	18.50	2	7.70	1,246	1,004.35	1,261	1,134.25
Hancock	1	12.60	5	78.00	1	0.30	2	50.00	1,165	596.65	1,174	737.55
Jersey			8	1,369.10	4	34.80	15	59.80	959	683.70	986	2,147.40
Logan					7	121.80	10	81.90	153	171.00	170	374.70
Macoupin	1	56.60	14	1,439.60	26	403.40	23	121.70	2,598	2,137.69	2,662	4,158.99
Mason	17	1,103.30	5	5,947.50	2	52.90			274	7,116.20	298	14,219.90
Menard			3	2.20	4	208.20			294	238.00	301	448.40
Montgomery			6	2,740.30	10	50.30	6	12.00	1,071	2,005.80	1,093	4,808.40
Morgan			7	1,857.50	8	166.80	2	4.70	843	760.27	860	2,789.27
Pike			2	257.10	1	33.80	4	42.00	1,946	2,322.52	1,953	2,655.42
Sangamon	1	150.50	12	4,286.70	16	82.10	15	31.00	899	871.50	943	5,421.80
Schuyler	1	3.80	1	3.80	2	19.70			961	1,398.45	965	1,425.75
Scott					3	195.50			423	381.80	426	577.30
Total	25	4,535.90	98	23,114.40	133	2,220.20	96	591.20	17,656	27,223.45	18,008	57,685.15

Table 3e. Number and Acres of Impoundments by Ownership Classification (1978).

REGION 3B - COUNTY SUMMARY

REGION 3B (16 Counties)

County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Champaign			7	115.60	15	106.40	5	22.00	95	139.00	122	383.00
Clark	1	145.60	2	4.10	7	19.60			1,124	745.60	1,134	914.90
Coles	2	17.60	5	627.00	1	3.00			252	238.10	260	885.70
Cumberland			3	340.20	4	16.20	1	4.00	772	318.30	780	678.70
DeWitt	2	5,029.40	3	8.50	10	19.70	3	5.00	196	150.90	214	5,213.50
Douglas	1	58.70			3	46.30			130	138.80	134	243.80
Edgar			2	219.50	3	9.00			233	229.50	238	458.00
Ford					5	30.00	1	5.00	81	143.60	87	178.60
Iroquois			1	1.00	10	270.30	4	41.00	125	228.70	140	541.00
Livingston	2			7.10	4	8.00	5	21.60	350	414.30	361	451.00
Macon			6	3,101.20	5	16.20	1	1.00	160	227.40	172	3,345.80
McLean	1	158.00	5	1,347.70	13	77.80	8	52.30	536	465.80	563	2,101.60
Moultrie			25	45.60	10	26.40			195	161.10	230	233.10
Piatt			7	24.10	3	2.50	1	1.30	67	142.90	78	170.80
Shelby	4	2.20	3	522.30	5	23.70	4	6.30	650	324.44	666	878.94
Vermilion	31	184.50	8	53.70	77	571.40	4	11.00	131	876.30	251	1,696.90
Total	42	5,596.00	79	6,417.60	175	1,246.50	37	170.50	5,097	4,944.74	5,430	18,375.34

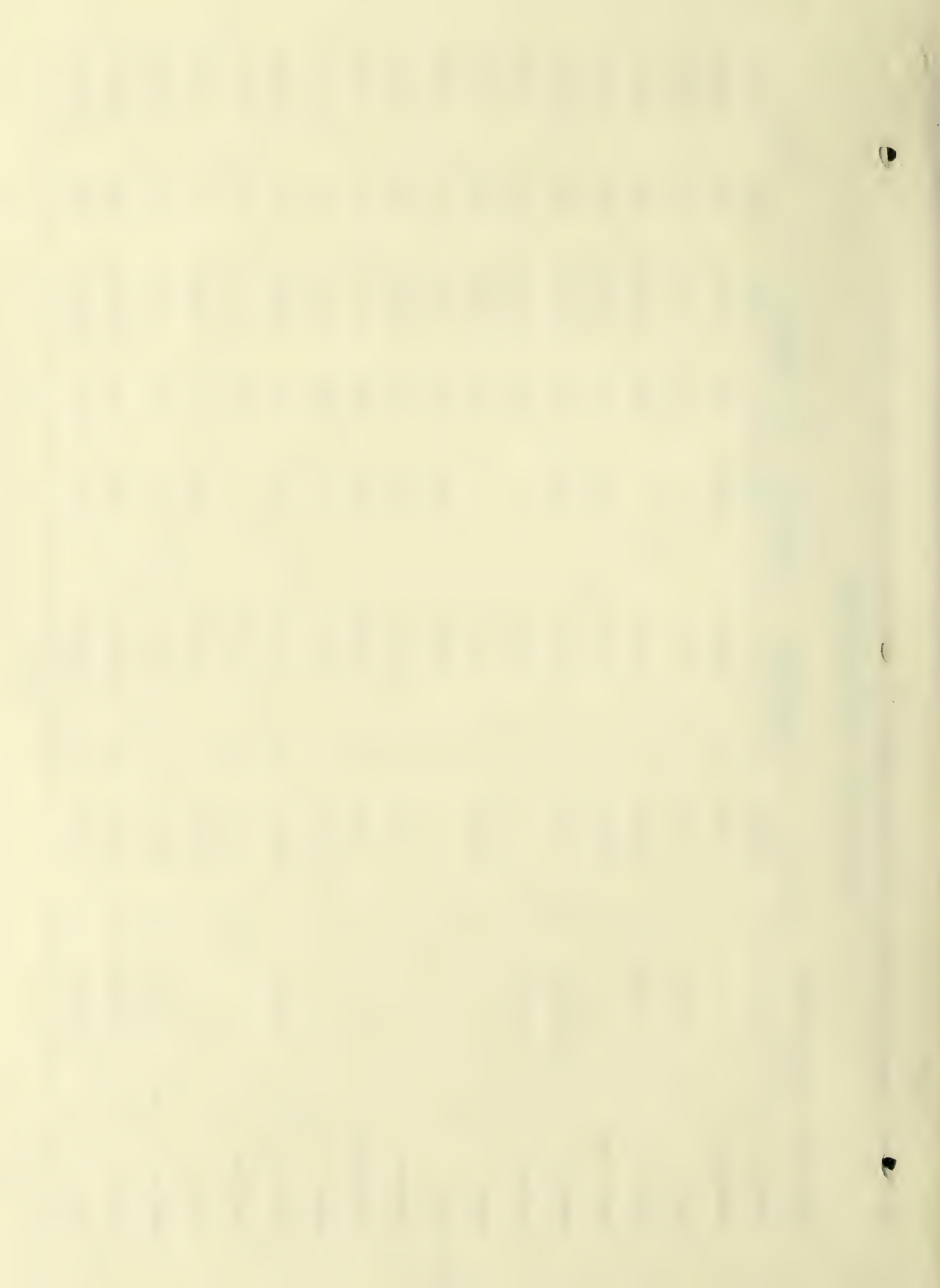


Table 3f. Number and Acres of Impoundments by Ownership Classification (1978).

REGION 4 - COUNTY SUMMARY

REGION 4 (7 Counties)

County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Bond			2	800.10	7	48.10	8	67.50	1,265	1,109.50	1,282	2,025.20
Clinton					8	31.50	1	4.50	927	753.20	936	789.20
Madison			9	583.50	43	837.60	26	108.00	2,078	4,891.75	2,156	6,420.85
Monroe			4	46.90	43	160.80	30	81.00	1,495	1,609.40	1,572	1,898.10
Randolph	3	1,351.30	3	94.50	9	67.60	9	105.00	1,259	1,186.90	1,283	2,805.30
St. Clair	3	1,122.00	8	56.20	57	350.20	40	280.50	1,441	2,016.81	1,549	3,825.71
Washington	1	248.00	4	74.70	4	29.30	8	60.90	1,451	1,261.39	1,468	1,674.29
Total	7	2,721.30	30	1,655.90	171	1,525.10	122	707.40	9,916	12,828.95	10,246	19,438.65

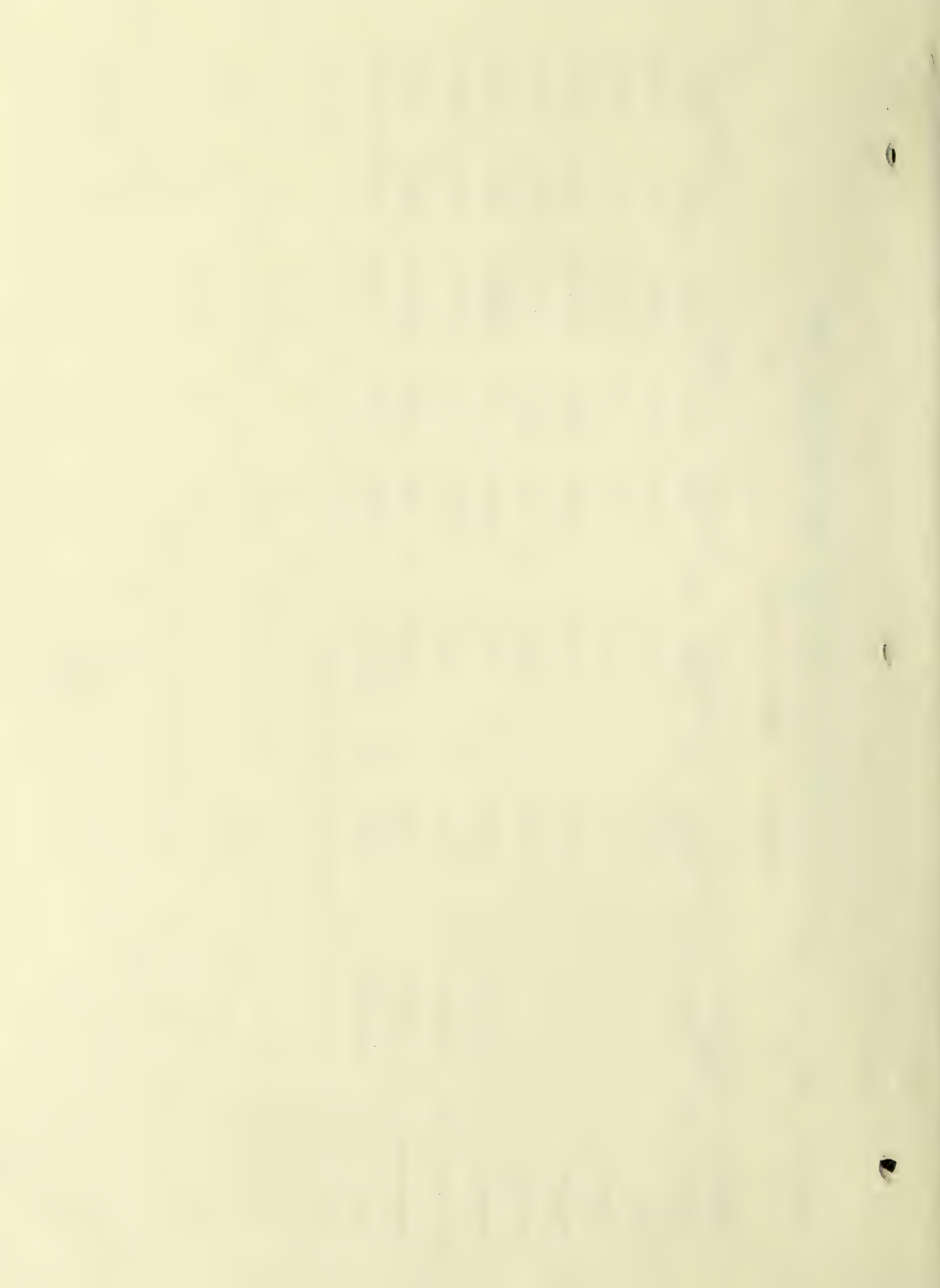


Table 3g. Number and Acres of Impoundments by Ownership Classification (1978).

REGION 5 - COUNTY SUMMARY

REGION 5 (27 Counties)

County	State		Public		Organization		Commercial		Private		Total	
	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres	No.	Acres
Alexander	1	1,890.00	2	12.60	1	18.80	2	7.50	347	354.35	353	2,283.25
Clay			2	11.40	6	116.40			1,068	661.20	1,076	789.00
Crawford			1	5.50	7	51.30			1,233	869.10	1,241	925.90
Edwards			4	44.20	3	27.40			741	371.95	748	443.55
Effingham			2	606.00	4	15.60	6	43.00	982	585.10	994	1,249.70
Fayette	4	49.85	5	761.10	4	25.40	3	22.50	1,221	905.20	1,237	1,764.05
Franklin	1	0.40	15	805.90	7	164.90	3	42.50	1,622	1,211.40	1,648	2,225.10
Gallatin			2	49.60	1	10.20			425	567.90	428	627.70
Hamilton	1	71.30	2	78.10			3	10.60	1,519	665.80	1,525	825.80
Hardin			2	15.00			35	30.10	439	362.40	476	407.50
Jackson	2	150.00	3	2,894.10	13	429.80	2	6.50	1,437	1,460.90	1,457	4,941.30
Jasper	2	1,880.00			4	24.50			1,217	671.00	1,223	2,575.50
Jefferson	1	7.70	4	127.20	4	233.50			2,253	1,084.30	2,262	1,452.70
Johnson	4	296.00	3	178.40	1	18.00	1	50.00	1,695	2,356.50	1,704	2,898.90
Lawrence	1	40.00	1	9.00	7	71.50			733	562.30	742	682.80
Marion	1	525.00	7	1,521.80	12	165.60	1	7.00	1,665	789.60	1,686	3,009.00
Massac	1	452.00			4	46.60			878	744.70	883	1,243.30
Perry	25	134.70	2	348.00	6	39.30			1,404	1,600.60	1,437	2,122.60
Pope			6	307.50			1	8.00	977	517.57	984	833.07
Pulaski			1	4.60			7	30.00	760	547.60	769	585.60
Richland			3	1,325.70	1	3.40			887	555.30	891	1,882.70
Saline	1	105.00	13	435.80	4	45.80	5	21.00	1,181	1,722.80	1,204	2,330.40
Union	8	721.30	5	1,025.00	2	5.90			1,891	1,215.00	1,906	2,967.20
Wabash			1	1.00	3	113.80			487	222.95	491	337.75
Wayne	1	194.00	2	14.30	5	51.80			2,035	1,135.00	2,043	1,395.10
White			2	30.30	2	55.90			890	864.10	894	950.30
Williamson			11	9,149.10	18	136.60	5	50.30	1,898	3,001.00	1,932	12,337.00
Total	54	6,517.25	101	19,761.20	120	1,873.70	74	329.00	31,885	25,605.62	32,234	54,086.77

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

RESEARCH REPORT

NO. 100

BY J. D. JARVIS

1960

CHICAGO, ILL.

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REGIONAL SUMMARY
OF STREAMS
BY WIDTH CATEGORIES

Table 4. Miles and Acres of Streams by Width Categories (1978)

REGIONAL SUMMARY

Region	0-20 ft. wide		21-100 ft. wide		101-300 ft. wide		301 plus ft. wide		Total	
	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres	Miles	Acres
1A	894.9	1,304.00	635.5	3,417.00	104.8	1,518.00	200.5	32,533.00	1,835.7	38,772.00
1B	808.9	1,140.00	1,355.8	7,106.00	151.7	2,123.00	323.5	59,085.00	2,639.9	69,454.00
2	725.6	1,057.00	556.6	3,030.00	206.1	5,115.00	147.1	9,633.00	1,635.4	18,835.00
3A	922.9	1,381.00	1,052.2	5,129.00	157.0	2,940.00	295.1	63,935.00	2,427.2	73,385.00
3B	730.5	1,065.00	829.3	4,116.00	95.8	1,315.00	20.5	482.00	1,676.1	6,978.00
4	133.2	193.00	466.0	2,037.00	102.0	2,163.00	110.8	15,744.00	812.0	20,137.00
5	<u>699.4</u>	<u>1,019.00</u>	<u>1,021.1</u>	<u>5,049.00</u>	<u>175.0</u>	<u>2,579.00</u>	<u>282.2</u>	<u>20,366.00</u>	<u>2,177.7</u>	<u>29,013.00</u>
Total	4,915.4	7,159.00	5,916.5	29,884.00	992.4	17,753.00	1,379.7	201,778.00	13,204.0	256,574.00

ALPHABETICAL LISTING BY COUNTY
OF SURFACE WATERS,
BY WATER TYPES

Table 5. Alphabetical Listing by County of Surface Waters, by Water Types (1978).

COUNTY	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL	
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	ACRES	ACRES
Adams					2,515	2,635.65	207.2	8,748.00	11,383.65	
Alexander					353	2,283.25	127.7	7,599.00	9,882.25	
Bond			-	850.00	1,282	2,025.20	58.1	247.00	3,122.20	
Boone					117	542.50	134.7	349.00	891.50	
Brown					1,013	1,005.90	86.7	328.00	1,333.90	
Bureau					248	2,163.90	280.2	1,464.00	3,627.90	
Calhoun					527	4,194.07	105.8	18,623.00	22,817.07	
Carroll					143	4,923.50	175.3	9,521.00	14,444.50	
Cass					496	4,509.50	104.0	2,743.00	7,252.50	
Champaign					122	383.00	120.8	374.00	757.00	
Christian					365	4,440.90	118.1	474.00	4,914.90	
Clark					1,134	914.90	89.0	651.00	1,565.90	
Clay					1,076	789.00	143.7	430.00	1,219.00	
Clinton			1	18,930.00	936	789.20	141.4	744.00	20,463.20	
Coles					260	885.70	106.7	492.00	1,377.70	
Cook		429,722.00			1,276	7,775.25	409.4	3,708.00	441,205.25	
Crawford					1,241	925.90	115.5	1,089.00	2,014.90	
Cumberland					780	678.70	110.3	268.00	946.70	
DeKalb					176	605.70	249.8	617.00	1,222.70	
DeWitt					214	5,213.50	86.0	215.00	5,428.50	
Douglas					134	243.80	87.4	304.00	547.80	
DuPage					578	1,224.20	111.1	574.00	1,798.20	
Edgar					238	458.00	98.4	161.00	619.00	
Edwards					748	443.55	13.8	111.00	554.55	
Effingham					994	1,249.70	100.3	180.00	1,429.70	
Fayette			-	4,800.00	1,237	1,764.05	113.2	722.00	7,286.05	
Ford					87	178.60	40.5	106.00	284.60	
Franklin			1	8,878.00	1,648	2,225.10	58.0	252.00	11,355.10	
Fulton					2,671	11,938.10	310.2	3,122.00	15,060.10	
Gallatin					428	627.70	60.5	1,273.00	1,900.70	

Table 5 - continued.

COUNTY	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL	
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	ACRES	ACRES
Greene			1,261	1,134.25			119.6	4,469.00		5,603.25
Grundy			242	3,417.05			158.9	2,931.00		6,348.05
Hamilton			1,525	825.80			67.5	181.00		1,006.80
Hancock			1,174	737.55			211.6	13,443.00		14,180.55
Hardin			476	407.50			23.1	102.00		509.50
Henderson			290	1,015.25			131.0	12,110.00		13,125.25
Henry			412	882.90			196.6	1,964.00		2,846.90
Iroquois			140	541.00			148.5	923.00		1,464.00
Jackson			1,457	4,941.30			132.6	4,127.00		9,068.30
Jasper			1,223	2,575.50			103.4	727.00		3,302.50
Jefferson			2,262	1,452.70		10,022.00	62.0	147.00		11,621.70
Jersey			986	2,147.40			91.8	6,518.00		8,665.40
JoDavies			155	1,458.40			190.8	9,892.00		11,350.40
Johnson			1,704	2,898.90			104.5	216.00		3,114.90
Kane			480	804.20			194.9	1,534.00		2,338.20
Kankakee			142	523.70			89.7	1,877.00		2,400.70
Kendall			168	252.75			81.1	1,189.00		1,441.75
Knox			1,570	2,325.20			176.3	577.00		2,902.20
Lake	1	546,918.00	894	13,676.70			221.5	1,025.00		561,619.70
LaSalle			636	3,442.95			223.0	5,843.00		9,285.95
Lawrence			742	682.80			94.3	1,494.00		2,176.80
Lee			395	744.90			190.0	2,781.00		3,525.90
Livingston			361	451.00			119.4	936.00		1,387.00
Logan			170	374.70			140.5	605.00		979.70
Macon			172	3,345.80			95.5	326.00		3,671.80
Macoupin			2,662	4,158.99			139.7	320.00		4,478.99
Madison			2,156	6,420.85			166.9	5,145.00		11,565.85
Marion			1,686	3,009.00			64.3	125.00		3,134.00
Marshall			141	6,098.40			90.0	2,706.00		8,804.40
Mason			298	14,219.90			73.0	1,757.00		15,976.90

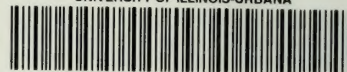
Table 5 - continued.

COUNTY	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL	
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	Acres	Acres
Massac			883	1,243.30			20.0	86.00		1,329.30
McDonough			611	747.00			121.0	270.00		1,017.00
McHenry			786	4,073.10			157.9	1,183.00		5,256.10
McLean			563	2,101.60			177.6	552.00		2,653.60
Menard			301	448.40			89.3	785.00		1,233.40
Mercer			563	1,459.90			167.5	6,910.00		8,369.90
Monroe			1,572	1,898.10			103.6	5,159.00		7,057.10
Montgomery			1,093	4,808.40			119.8	420.00		5,228.40
Morgan			860	2,789.27			106.6	937.00		3,726.27
Moultrie			230	233.10			27.3	75.00		5,858.10
Ogle			149	267.45			200.5	3,072.00		3,339.45
Peoria			964	1,531.59			158.7	496.00		2,027.59
Perry			1,437	2,122.60			80.1	205.00		2,327.60
Piatt			78	170.80			73.4	274.00		444.80
Pike			1,953	2,655.42			245.9	9,457.00		12,112.42
Pope			984	833.07			78.3	196.00		1,029.07
Pulaski			769	585.60			25.4	107.00		692.60
Putnam			109	7,248.20			20.4	914.00		8,162.20
Randolph			1,283	2,805.30			141.8	6,044.00		8,849.30
Richland			891	1,822.70			42.6	144.00		2,026.70
Rock Island			312	773.40			237.9	15,912.00		16,685.40
Saline			1,204	2,330.40			83.5	252.00		2,582.40
Sangamon			943	5,421.80			247.5	1,156.00		6,577.80
Schuyler			965	1,425.75			106.6	401.00		1,826.75
Scott			426	577.30			113.5	2,201.00		2,778.30
Shelby			666	878.94			131.1	318.00		6,746.94
Stark			92	187.40			103.4	287.00		474.40
St. Clair			1,549	3,825.71			123.6	2,277.00		6,102.71
Stephenson			135	266.30			152.1	839.00		1,105.30
Tazewell			459	4,179.20			186.0	3,340.00		7,519.20

Table 5 - continued.

COUNTY	LAKE MICHIGAN		RESERVOIRS		IMPOUNDMENTS		STREAMS		TOTAL ACRES
	No.	Acres	No.	Acres	No.	Acres	Miles	Acres	
Union			1,906	2,967.20			65.3	3,014.00	5,981.20
Vermillion			251	1,696.90			164.2	1,003.00	2,699.90
Wabash			491	337.75			76.3	2,259.00	2,596.75
Warren			309	696.90			137.6	574.00	1,270.90
Washington			1,468	1,674.29			76.6	521.00	2,195.29
Wayne			2,043	1,395.10			112.0	422.00	1,817.10
White			894	950.30			133.8	3,274.00	4,224.30
Whiteside			150	804.60			321.2	8,610.00	9,414.60
Will			1,015	3,989.80			210.9	4,814.00	8,803.80
Williamson			1,932	12,337.00			76.0	279.00	12,616.00
Winnebago			209	1,061.20			221.3	3,091.00	4,152.20
Woodford			405	1,493.70			100.1	12,965.00	14,458.70
Illinois	1	976,640.0	3	54,580.00	82,920	242,181.20	13,204.0	256,574.00	1,529,975.20
							Miles		

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